



Minnesota Pollution  
Control Agency

520 Lafayette Road North  
St. Paul, MN 55155-4194

# MS4 SWPPP Application for Reauthorization

for the NPDES/SDS General Small Municipal Separate  
Storm Sewer System (MS4) Permit MNR040000  
reissued with an effective date of August 1, 2013  
Stormwater Pollution Prevention Program (SWPPP) Document

Doc Type: Permit Application

**Instructions:** This application is for authorization to discharge stormwater associated with Municipal Separate Storm Sewer Systems (MS4s) under the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit Program. **No fee** is required with the submittal of this application. Please refer to "Example" for detailed instructions found on the Minnesota Pollution Control Agency (MPCA) MS4 website at <http://www.pca.state.mn.us/ms4>.

**Submittal:** This MS4 SWPPP Application for Reauthorization form must be submitted electronically via e-mail to the MPCA at [ms4permitprogram.pca@state.mn.us](mailto:ms4permitprogram.pca@state.mn.us) from the person that is duly authorized to certify this form. All questions with an asterisk (\*) are required fields. All applications will be returned if required fields are not completed.

**Questions:** Contact Claudia Hochstein at 651-757-2881 or [claudia.hochstein@state.mn.us](mailto:claudia.hochstein@state.mn.us), Dan Miller at 651-757-2246 or [daniel.miller@state.mn.us](mailto:daniel.miller@state.mn.us), or call toll-free at 800-657-3864.

## General Contact Information (\*Required fields)

### MS4 Owner (with ownership or operational responsibility, or control of the MS4)

\*MS4 permittee name: City of Inver Grove Heights \*County: Dakota  
(city, county, municipality, government agency or other entity)

\*Mailing address: 8150 Barbara Avenue

\*City: Inver Grove Heights \*State: MN \*Zip code: 55077

\*Phone (including area code): (651) 450-2500 \*E-mail: tkaldunski@invergroveheights.org

### MS4 General contact (with Stormwater Pollution Prevention Program [SWPPP] implementation responsibility)

\*Last name: Kaldunski \*First name: Thomas  
(department head, MS4 coordinator, consultant, etc.)

\*Title: City Engineer

\*Mailing address: 8150 Barbara Avenue

\*City: Inver Grove Heights \*State: MN \*Zip code: 55077

\*Phone (including area code): (651) 450-2572 \*E-mail: tkaldunski@invergroveheights.org

### Preparer information (complete if SWPPP application is prepared by a party other than MS4 General contact)

Last name: Kaldunski First name: Thomas  
(department head, MS4 coordinator, consultant, etc.)

Title: City Engineer

Mailing address: 8150 Barbara Avenue

City: Inver Grove Heights State: MN Zip code: 55077

Phone (including area code): (651) 450-2572 E-mail: tkaldunski@invergroveheights.org

## Verification

1. I seek to continue discharging stormwater associated with a small MS4 after the effective date of this Permit, and shall submit this MS4 SWPPP Application for Reauthorization form, in accordance with the schedule in Appendix A, Table 1, with the SWPPP document completed in accordance with the Permit (Part II.D.). ☒ Yes
2. I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. ☒ Yes

## Certification (All fields are required)

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- ☒ Yes - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

*I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.*

*I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.*

This certification is required by Minn. Stat. §§ 7001.0070 and 7001.0540. The authorized person with overall, MS4 legal responsibility must certify the application (principal executive officer or a ranking elected official).

By typing my name in the following box, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing my application.

Name: Thomas J. Kaldunski  
(This document has been electronically signed)

Title: City Engineer Date (mm/dd/yyyy): 12/20/2013

Mailing address: 8150 Barbara Avenue

City: Inver Grove Heights State: MN Zip code: 55077

Phone (including area code): (651) 450-2572 E-mail: tkaldunski@invergroveheights.org

**Note:** The application will not be  
processed without certification.

# Stormwater Pollution Prevention Program Document

## I. Partnerships: (Part II.D.1)

- A. List the **regulated small MS4(s)** with which you have established a partnership in order to satisfy one or more requirements of this Permit. Indicate which Minimum Control Measure (MCM) requirements or other program components that each partnership helps to accomplish (List all that apply). Check the box below if you currently have no established partnerships with other regulated MS4s. If you have more than five partnerships, hit the tab key after the last line to generate a new row.

☒ No partnerships with regulated small MS4s

| Name and description of partnership | MCM/Other permit requirements involved |
|-------------------------------------|----------------------------------------|
|                                     |                                        |
|                                     |                                        |
|                                     |                                        |
|                                     |                                        |
|                                     |                                        |

- B. If you have additional information that you would like to communicate about your partnerships with other regulated small MS4(s), provide it in the space below, or include an attachment to the SWPPP Document, with the following file naming convention: *MS4NameHere\_Partnerships*.

*Inver Grove Heights has partnerships with non-regulated organizations to help develop some of our educational materials and provide training for our MS4 program.*

## II. Description of Regulatory Mechanisms: (Part II.D.2)

### Illicit discharges

- A. Do you have a regulatory mechanism(s) that effectively prohibits non-stormwater discharges into your small MS4, except those non-stormwater discharges authorized under the Permit (Part III.D.3.b.)? ☒ Yes ☐ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☐ Contract language  
☐ Policy/Standards ☐ Permits  
☐ Rules  
☒ Other, explain: Illicit Discharge Form (attached)

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

*Title 9, Chapter 5, Section 13: Illicit Connections and Discharges to the MS4*

*Title 9, Chapter 4: Excavations and Fills*

Direct link:

[http://www.sterlingcodifiers.com/codebook/index.php?book\\_id=542](http://www.sterlingcodifiers.com/codebook/index.php?book_id=542)

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere\_IDDereg*.

2. If **no**:

Describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

## Construction site stormwater runoff control

- A. Do you have a regulatory mechanism(s) that establishes requirements for erosion and sediment controls and waste controls? ☒ Yes ☐ No

1. If **yes**:

- a. Check which type of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☐ Contract language  
☐ Policy/Standards ☐ Permits  
☐ Rules

☒ Other, explain: Checklist, Standard Plates, Inspections, Agreements with escrows and sureties

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

*Title 8, Water & Sewer Public Services:*

*Chapter 5: Subsurface Sewage Treatment Systems*

*Title 9, Building & Development:*

*Chapter 5: Stormwater Management, Section 1-12*

*Chapter 4: Excavations and Fills*

*Title 10, Zoning Regulations:*

*Chapters 3: Administration & Enforcement*

*Chapter 13: Special Use Districts*

*Chapter 15: Performance Standards*

Direct link:

[http://www.sterlingcodifiers.com/codebook/index.php?book\\_id=542](http://www.sterlingcodifiers.com/codebook/index.php?book_id=542)

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere\_CSWreg*.

- B. Is your regulatory mechanism at least as stringent as the MPCA general permit to Discharge Stormwater Associated with Construction Activity (as of the effective date of the MS4 Permit)? ☐ Yes ☒ No

If you answered **yes** to the above question, proceed to C.

If you answered **no** to either of the above permit requirements listed in A. or B., describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*The City will update regulatory mechanisms to meet or exceed the requirements of MPCA permit to Discharge Stormwater Associated with Construction Activity within 12 months of the date permit coverage is extended.*

- C. Answer **yes** or **no** to indicate whether your regulatory mechanism(s) requires owners and operators of construction activity to develop site plans that incorporate the following erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)), and as listed below:

- |                                                                                                                                                                      |                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1. Best Management Practices (BMPs) to minimize erosion.                                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. BMPs to minimize the discharge of sediment and other pollutants.                                                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. BMPs for dewatering activities.                                                                                                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 4. Site inspections and records of rainfall events                                                                                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. BMP maintenance                                                                                                                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Management of solid and hazardous wastes on each project site.                                                                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 7. Final stabilization upon the completion of construction activity, including the use of perennial vegetative cover on all exposed soils or other equivalent means. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Criteria for the use of temporary sediment basins.                                                                                                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*The City will review ordinances to ensure they meet the new construction general permit requirements within 12 months of the date permit coverage is extended .*

## Post-construction stormwater management

A. Do you have a regulatory mechanism(s) to address post-construction stormwater management activities?

☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☒ Contract language

☐ Policy/Standards ☐ Permits

☐ Rules

☒ Other, explain: 2008 Northwest Area Stormwater Manual, 2006 2nd Generation Water Resources Management Plan, 2011 LMRWMO Watershed Management Plan, 2007 GCLWMO Watershed Management Plan, Storm Water Facilities Maintenance Agreements requesting private facilities annual reporting on storm water facilities

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

*Title 9, Chapter 5 Stormwater Management, Section 1-12*

*Title 9, Chapter 4: Excavations and Fills*

Direct link:

[http://www.sterlingcodifiers.com/codebook/index.php?book\\_id=542](http://www.sterlingcodifiers.com/codebook/index.php?book_id=542)

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere\_PostCSWreg*.

B. Answer **yes** or **no** below to indicate whether you have a regulatory mechanism(s) in place that meets the following requirements as described in the Permit (Part III.D.5.a.):

1. **Site plan review:** Requirements that owners and/or operators of construction activity submit site plans with post-construction stormwater management BMPs to the permittee for review and approval, prior to start of construction activity. ☒ Yes ☐ No

2. **Conditions for post construction stormwater management:** Requires the use of any combination of BMPs, with highest preference given to Green Infrastructure techniques and practices (e.g., infiltration, evapotranspiration, reuse/harvesting, conservation design, urban forestry, green roofs, etc.), necessary to meet the following conditions on the site of a construction activity to the Maximum Extent Practicable (MEP):

a. For new development projects – no net increase from pre-project conditions (on an annual average basis) of: ☐ Yes ☒ No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of Total Suspended Solids (TSS).
- 3) Stormwater discharges of Total Phosphorus (TP).

b. For redevelopment projects – a net reduction from pre-project conditions (on an annual average basis) of: ☐ Yes ☒ No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of TSS.
- 3) Stormwater discharges of TP.

3. **Stormwater management limitations and exceptions:**

a. Limitations

- 1) Prohibit the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) when the infiltration structural stormwater BMP will receive discharges from, or be constructed in areas: ☐ Yes ☒ No
  - a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA.
  - b) Where vehicle fueling and maintenance occur.
  - c) With less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.
  - d) Where high levels of contaminants in soil or groundwater will be mobilized by the infiltrating stormwater.

- 2) Restrict the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), without higher engineering review, sufficient to provide a functioning treatment system and prevent adverse impacts to groundwater, when the infiltration device will be constructed in areas:
- With predominately Hydrologic Soil Group D (clay) soils.
  - Within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features.
  - Within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13.
  - Where soil infiltration rates are more than 8.3 inches per hour.
- ☐ Yes ☒ No
- 3) For linear projects where the lack of right-of-way precludes the installation of volume control practices that meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), the permittee's regulatory mechanism(s) may allow exceptions as described in the Permit (Part III.D.5.a(3)(b)). The permittee's regulatory mechanism(s) shall ensure that a reasonable attempt be made to obtain right-of-way during the project planning process.
- ☐ Yes ☒ No
4. **Mitigation provisions:** The permittee's regulatory mechanism(s) shall ensure that any stormwater discharges of TSS and/or TP not addressed on the site of the original construction activity are addressed through mitigation and, at a minimum, shall ensure the following requirements are met:
- Mitigation project areas are selected in the following order of preference:
    - Locations that yield benefits to the same receiving water that receives runoff from the original construction activity.
    - Locations within the same Minnesota Department of Natural Resource (DNR) catchment area as the original construction activity.
    - Locations in the next adjacent DNR catchment area up-stream
    - Locations anywhere within the permittee's jurisdiction.
  - Mitigation projects must involve the creation of new structural stormwater BMPs or the retrofit of existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP.
  - Routine maintenance of structural stormwater BMPs already required by this permit cannot be used to meet mitigation requirements of this part.
  - Mitigation projects shall be completed within 24 months after the start of the original construction activity.
  - The permittee shall determine, and document, who will be responsible for long-term maintenance on all mitigation projects of this part.
  - If the permittee receives payment from the owner and/or operator of a construction activity for mitigation purposes in lieu of the owner or operator of that construction activity meeting the conditions for post-construction stormwater management in Part III.D.5.a(2), the permittee shall apply any such payment received to a public stormwater project, and all projects must be in compliance with Part III.D.5.a(4)(a)-(e).
- ☐ Yes ☒ No
- ☐ Yes ☒ No
- ☐ Yes ☒ No
- ☐ Yes ☒ No
- ☒ Yes ☐ No
- ☐ Yes ☒ No
5. **Long-term maintenance of structural stormwater BMPs:** The permittee's regulatory mechanism(s) shall provide for the establishment of legal mechanisms between the permittee and owners or operators responsible for the long-term maintenance of structural stormwater BMPs not owned or operated by the permittee, that have been implemented to meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)). This only includes structural stormwater BMPs constructed after the effective date of this permit and that are directly connected to the permittee's MS4, and that are in the permittee's jurisdiction. The legal mechanism shall include provisions that, at a minimum:
- Allow the permittee to conduct inspections of structural stormwater BMPs not owned or operated by the permittee, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the permittee determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance.
  - Include conditions that are designed to preserve the permittee's right to ensure maintenance responsibility, for structural stormwater BMPs not owned or operated by the permittee, when those responsibilities are legally transferred to another party.
  - Include conditions that are designed to protect/preserve structural stormwater BMPs and site features that are implemented to comply with the Permit (Part III.D.5.a(2)). If site configurations or structural stormwater BMPs change, causing decreased structural stormwater BMP effectiveness, new or improved structural stormwater BMPs must be implemented to ensure the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) continue to be met.
- ☒ Yes ☐ No
- ☒ Yes ☐ No
- ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within twelve (12) months of the date permit coverage is extended, these permit requirements are met:

*Related ordinances will be evaluated and updated to meet the requirements within 12 months of date permit coverage is extended.*

### III. Enforcement Response Procedures (ERPs): (Part II.D.3)

A. Do you have existing ERPs that satisfy the requirements of the Permit (Part III.B.)? ☐ Yes ☒ No

1. If **yes**, attach them to this form as an electronic document, with the following file naming convention: *MS4NameHere\_ERPs*.

2. If **no**, describe the tasks and corresponding schedules that will be taken to assure that, with twelve (12) months of the date permit coverage is extended, these permit requirements are met:

*ERPs will be established or updated to meet the Permit requirements within 12 months the date permit coverage is extended.*

B. Describe your ERPs:

*The City has an NPDES Inspection Form, Erosion and Sediment Control Inspection Report, and a Notice of Erosion Control Requirement for Construction that staff uses to enforce the NPDES and MS4 program*

### IV. Storm Sewer System Map and Inventory: (Part II.D.4.)

A. Describe how you manage your storm sewer system map and inventory:

*The Engineering Staff inspects an average of 20% of the storm system annually with handheld GPS unit, Engineering Staff asbuilt new storm systems, Engineering Staff send storm system updates to IT Division for mapping, IT Division annually maps storm system in GIS with asbuilt attachments*

B. Answer **yes** or **no** to indicate whether your storm sewer system map addresses the following requirements from the Permit (Part III.C.1.a-d), as listed below:

1. The permittee's entire small MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes. ☒ Yes ☐ No

2. Outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinate. ☒ Yes ☐ No

3. Structural stormwater BMPs that are part of the permittee's small MS4. ☒ Yes ☐ No

4. All receiving waters. ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C. Answer **yes** or **no** to indicate whether you have completed the requirements of 2009 Minnesota Session Law, Ch. 172. Sec. 28: with the following inventories, according to the specifications of the Permit (Part III.C.2.a.-b.), including:

1. All ponds within the permittee's jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances. ☐ Yes ☒ No

2. All wetlands and lakes, within the permittee's jurisdiction, that collect stormwater via constructed conveyances. ☐ Yes ☒ No

D. Answer **yes** or **no** to indicate whether you have completed the following information for each feature inventoried.

1. A unique identification (ID) number assigned by the permittee. ☐ Yes ☒ No

2. A geographic coordinate. ☐ Yes ☒ No

3. Type of feature (e.g., pond, wetland, or lake). This may be determined by using best professional judgment. ☐ Yes ☒ No

If you have answered **yes** to all above requirements, and you have already submitted the Pond Inventory Form to the MPCA, then you do not need to resubmit the inventory form below.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*The City has a partial inventory on the existing basins in the community. The inventory will be updated to meet new*

permit requirements within 12 months of the date permit coverage is extended.

- E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA ☐ Yes ☒ No on the form provided on the MPCA website at: <http://www.pca.state.mn.us/ms4>, according to the specifications of Permit (Part III.C.2.b.(1)-(3)). Attach with the following file naming convention: *MS4NameHere\_inventory*.

If you answered **no**, the inventory form must be submitted to the MPCA MS4 Permit Program within 12 months of the date permit coverage is extended.

## V. Minimum Control Measures (MCMs) (Part II.D.5)

### A. MCM1: Public education and outreach

1. The Permit requires that, within 12 months of the date permit coverage is extended, existing permittees revise their education and outreach program that focuses on illicit discharge recognition and reporting, as well as other specifically selected stormwater-related issue(s) of high priority to the permittee during this permit term. Describe your **current** educational program, including **any high-priority topics included**:

*Our community is a mix of residential, commercial, and industrial properties. Our primary focus in the past has been on residential issues, though we do not have specific high-priority topics. We partner with Dakota County Soil and Water Conservation District and the Lower Mississippi River Watershed to provide education to our residents. They provide us with information on topics that we mail out to all households twice a year. These topics remind home owners of proper practices for such activities as raking grass clippings, cleaning up pet waste, and home car washing. We also remind residents and businesses periodically of the importance of the illicit discharge program, protection of drainage ponds, the NPDES system, Coal Tar restrictions per ordinance, and the City's SWPPP. Updates on our website are used to communicate stormwater-related messages.*

2. List the categories of BMPs that address your public education and outreach program, including the distribution of educational materials and a program implementation plan. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the U.S. Environmental Protection Agency's (EPA) *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

| Established BMP categories       | Measurable goals and timeframes                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brochures                        | Update NPDES/MS4/SWPPP related brochures available for public handout within 12 months the date permit coverage is extended.                                                                                      |
| Newsletter Articles              | Place a minimum of two NPDES/MS4/SWPPP public education related articles in the City's Insights newsletter.                                                                                                       |
| Public Outreach                  | Continue annual joint powers agreement with Dakota County Soil and Water Conservation District to educate the public with through the DCSWCD Blue Thumb Program                                                   |
| Public Outreach                  | Continue annual joint powers agreement with Dakota County Soil and Water Conservation District to educate the public through the City's Raingarden Program in relation to appropriate public improvement projects |
|                                  |                                                                                                                                                                                                                   |
|                                  |                                                                                                                                                                                                                   |
| BMP categories to be implemented | Measurable goals and timeframes                                                                                                                                                                                   |
| Website                          | The City will update the website to meet permit requirements within 12 months the date permit coverage is extended                                                                                                |
|                                  |                                                                                                                                                                                                                   |
|                                  |                                                                                                                                                                                                                   |



3. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*City Engineer or Consultant*

## B. MCM2: Public participation and involvement

1. The Permit (Part III.D.2.a.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement a public participation/involvement program to solicit public input on the SWPPP. Describe your current program:

*Annually we notice, present and hear comments on our annual SWPPP update at a stand alone meeting held at City Hall. This typically occurs around May/June.*

2. List the categories of BMPs that address your public participation/involvement program, including solicitation and documentation of public input on the SWPPP. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

| Established BMP categories       | Measurable goals and timeframes                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annual Meeting                   | Annually hold a meeting for soliciting public comment to the Cities SWPPP.                                                                                                                              |
| Public Notice                    | Publish the notice of Annual Meeting soliciting public comment in the City's newsletter, local paper, and City website.                                                                                 |
| Website Complaint System         | Maintain a web-based online system allowing citizens and businesses to notify City of issues related to storm water or illicit discharge. The City's goal is to respond to the inquiry within 48-hours. |
|                                  |                                                                                                                                                                                                         |
|                                  |                                                                                                                                                                                                         |
| BMP categories to be implemented | Measurable goals and timeframes                                                                                                                                                                         |
| SWPPP Document kept on Website   | Provide an updated copy of the City's SWPPP online within 12 months the date permit coverage is extended.                                                                                               |
|                                  |                                                                                                                                                                                                         |
|                                  |                                                                                                                                                                                                         |
|                                  |                                                                                                                                                                                                         |
|                                  |                                                                                                                                                                                                         |

3. Do you have a process for receiving and documenting citizen input? ☒ Yes ☐ No

If you answered **no** to the above permit requirement, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*City Engineer and Administration*

## C. MCM 3: Illicit discharge detection and elimination

1. The Permit (Part III.D.3.) requires that, within 12 months of the date permit coverage is extended, existing permittees revise their current program as necessary, and continue to implement and enforce a program to detect and eliminate illicit discharges into the small MS4. Describe your current program:

*The City has an ordinance that prohibits illicit discharges and connections. City Staff and public works employees are trained to look for any signs of illicit discharge while on the job. The City has unwritten procedures to review the IDDE*

complaint, a Form document the IDDE activity, conduct Inspections , follow-up and enforce the IDDE code.

2. Does your Illicit Discharge Detection and Elimination Program meet the following requirements, as found in the Permit (Part III.D.3.c.-g.)?
- a. Incorporation of illicit discharge detection into all inspection and maintenance activities conducted under the Permit (Part III.D.6.e.-f.)Where feasible, illicit discharge inspections shall be conducted during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation). ☒ Yes ☐ No
  - b. Detecting and tracking the source of illicit discharges using visual inspections. The permittee may also include use of mobile cameras, collecting and analyzing water samples, and/or other detailed procedures that may be effective investigative tools. ☒ Yes ☐ No
  - c. Training of all field staff, in accordance with the requirements of the Permit (Part III.D.6.g.(2)), in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. ☒ Yes ☐ No
  - d. Identification of priority areas likely to have illicit discharges, including at a minimum, evaluating land use associated with business/industrial activities, areas where illicit discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge. ☐ Yes ☒ No
  - e. Procedures for the timely response to known, suspected, and reported illicit discharges. ☐ Yes ☒ No
  - f. Procedures for investigating, locating, and eliminating the source of illicit discharges. ☐ Yes ☒ No
  - g. Procedures for responding to spills, including emergency response procedures to prevent spills from entering the small MS4. The procedures shall also include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. § 115.061. ☒ Yes ☐ No
  - h. When the source of the illicit discharge is found, the permittee shall use the ERPs required by the Permit (Part III.B.) to eliminate the illicit discharge and require any needed corrective action(s). ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*Related ordinances and procedures (ERPs and SOPs) will be evaluated and updated to meet the requirements within 12 months the date permit coverage is extended*

*C.2.d The City will review and update written procedures for identification of priority areas likely to have illicit discharges as described in the permit (Part III.D.3.f). Procedures will be in place within 12 months following the date permit coverage is extended.*

*C.2.e The City will review and update written procedures for timely response to known, suspected, and reported illicit discharges as described in the permit (Part III.D.3.g). Procedures will be in place within 12 months following the date permit coverage is extended.*

*C.2.f The City will review and update written procedures for investigating, locating and eliminating the source of illicit discharges as described in the permit (Part III.D.3.f). Procedures will be in place within 12 months following the date permit coverage is extended.*

*C.2.h The City will review and update procedures for using ERPs for eliminating the illicit discharges and needed corrective actions as described in the permit (Part III.D.3.g). Procedures will be in place within 12 months following the date permit coverage is extended.*

3. List the categories of BMPs that address your illicit discharge, detection and elimination program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

**If you have more than five categories**, hit the tab key after the last line to generate a new row.

| Established BMP categories | Measurable goals and timeframes                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| Ordinance                  | Review Ordinance yearly to ensure that it continues to meet the needs of the City and legal requirements |
| Training                   | Annually conduct an educational seminar to educate the Public                                            |

|                                                            | and City Employees about the hazards associated with illicit discharges. Invite one member of the City Council, or other regulatory agency to attend.                                                                            |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                            |                                                                                                                                                                                                                                  |
|                                                            |                                                                                                                                                                                                                                  |
|                                                            |                                                                                                                                                                                                                                  |
| <b>BMP categories to be implemented</b>                    | <b>Measurable goals and timeframes</b>                                                                                                                                                                                           |
| Illicit Discharge Detection and Elimination (IDDE) Program | Review annually the illicit discharge written procedures for detection, response and reporting. Utilize the IDDE program as described in the Permit (Part III.3.h) to make adjustments to written procedures as necessary.       |
| Inspections                                                | Annually inspect locations identified as high-priority outfalls and around high-risk establishments (fast food restaurants, dumpster, car washes, mechanics, oil changes)                                                        |
| Illicit Discharge Investigation                            | As needed hire a consultant to televise a section of our sewer system, collect grab samples or perform other effective testing procedures to find illicit connection in the system.                                              |
| Community Reporting Options and Documentation Procedures   | IT department will update request system on City webpage to include a link to report Illicit Discharges. This will allow the City to receive, documents, and respond to citizen reports of illicit discharges. Within 12 months. |
|                                                            |                                                                                                                                                                                                                                  |

4. Do you have procedures for record-keeping within your Illicit Discharge Detection and Elimination (IDDE) program as specified within the Permit (Part III.D.3.h.)? ☐ Yes ☒ No

If you answered **no**, indicate how you will develop procedures for record-keeping of your Illicit Discharge, Detection and Elimination Program, within 12 months of the date permit coverage is extended:

*Related ordinances and procedures (ERPs and SOPs) will be evaluated and updated to meet the requirements within 12 months of date permit coverage is extended*

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*City Engineer*

#### **D. MCM 4: Construction site stormwater runoff control**

1. The Permit (Part III.D.4) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a construction site stormwater runoff control program. Describe your current program:

*The City requires review of construction site erosion and sediment control(ESC) plans before projects begin, and work with contractors to ensure appropriate and correct use of erosion and sediment control BMPs on sites. The Engineering Division primarily checks for compliance with construction site ESC plans. Other departments assist in reporting IDDE, erosion and sediment control infractions. The City has unwritten policies to review erosion and sediment control plans, provide SWPPPs for projects disturbing over 1-acre, a City Engineer approved plan is necessary prior to issuance of building permit, a preconstruction meeting must be held prior to site disturbance,*

2. Does your program address the following BMPs for construction stormwater erosion and sediment control as required in the Permit (Part III.D.4.b.):

- Have you established written procedures for site plan reviews that you conduct prior to the start of construction activity? ☐ Yes ☒ No
- Does the site plan review procedure include notification to owners and operators proposing construction activity that they need to apply for and obtain coverage under the MPCA's general permit to *Discharge Stormwater Associated with Construction Activity No. MN R100001*? ☐ Yes ☒ No
- Does your program include written procedures for receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public to the permittee? ☐ Yes ☒ No
- Have you included written procedures for the following aspects of site inspections to determine compliance with your regulatory mechanism(s):
  - Does your program include procedures for identifying priority sites for inspection? ☐ Yes ☒ No
  - Does your program identify a frequency at which you will conduct construction site inspections? ☐ Yes ☒ No
  - Does your program identify the names of individual(s) or position titles of those responsible for ☐ Yes ☒ No

conducting construction site inspections?

- 4) Does your program include a checklist or other written means to document construction site inspections when determining compliance? ☒ Yes ☐ No
- e. Does your program document and retain construction project name, location, total acreage to be disturbed, and owner/operator information? ☒ Yes ☐ No
- f. Does your program document stormwater-related comments and/or supporting information used to determine project approval or denial? ☒ Yes ☐ No
- g. Does your program retain construction site inspection checklists or other written materials used to document site inspections? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

*D.2.a The City uses a City checklist for site plan reviews but does not have any established written procedures. The City will develop written procedures for site plan reviews as described in the Permit (Part III.D.4.b). Procedures will be in place within 12 months of the date permit coverage is extended.*

*D.2.b The City will include a notification to owners and operators proposing construction activity to apply for and obtain coverage under the MPCA's construction activity permit into the written procedures for (D.2.a) as described in the Permit (Part III.D.4.b). Notification will be included in the procedures within 12 months of the date permit coverage is extended.*

*D.2.c The City will develop written procedures for receipt and consideration of reports of noncompliance or other stormwater related information on construction activity submitted by the public as described in the permit (Part III.D.4.b). Notification will be included in the procedures within 12 months of the date permit coverage is extended.*

*D.2.d The City currently documents ESC inspections and notices of violations utilizing City forms. The City will develop written procedures for conducting site ESC inspections as described in the permit (Part III.D.4.b). Forms will be updated and written procedures will be in place within 12 months following the date permit coverage is extended.*

3. List the categories of BMPs that address your construction site stormwater runoff control program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

| Established BMP categories                      | Measurable goals and timeframes                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site Plan Review                                | City Engineering Staff utilizes a checklist for review of NPDES Erosion Control Permits submitted to the department for review. On going.                                                                                                                                                                                                                            |
| Erosion Protection Maintenance Memo to Builders | An erosion control handout, which explains how to properly install erosion control BMPs, is provided with the issuance of a building permit. On going.                                                                                                                                                                                                               |
|                                                 |                                                                                                                                                                                                                                                                                                                                                                      |
|                                                 |                                                                                                                                                                                                                                                                                                                                                                      |
| BMP categories to be implemented                | Measurable goals and timeframes                                                                                                                                                                                                                                                                                                                                      |
| Permit Update                                   | Update the City's grading, land alteration, building, and ROW permits and construction site stormwater runoff ordinance to meet MPCA General Permit to discharge stormwater associated with construction activity within 12 months of the date permit coverage is extended.                                                                                          |
| Checklist for site plan review                  | Update procedures for site plan review annually and incorporate changes into the review process within 12 months of the date permit coverage is extended                                                                                                                                                                                                             |
| Prioritize Inspections                          | Ensure at least 10% of inspections conducted annually are performed at sites deemed as high priority inspection sites (e.g. near sensitive receiving waters, projects larger than 5 acres). Inspection procedures will be evaluated for the first year of the permit cycle and changes will be implemented within 24 months of the date permit coverage is extended. |

|                           |                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Permit Application System | Develop written procedures to track and archive all plan review and inspection documents within 12 months of the date permit coverage is extended. |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

City Engineer and Engineering Staff

#### E. MCM 5: Post-construction stormwater management

1. The Permit (Part III.D.5.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a post-construction stormwater management program. Describe your current program:

*The City has post-construction stormwater management ordinance to encourage the utilization of BMPs for stormwater runoff from new and redevelopment projects, as well as to ensure the maintenance and operation of the stormwater BMPs. The City has unwritten policies to review plans for meeting permanent turf establishment requirements, post stormwater ordinance, and comprehensive plans. A set of City Engineer approved plans meeting post storm water requirements with a executed stormwater agreement is required prior to issuance of building permit. An operation and maintenance plan and annual recording requirement is included in all stormwater agreements to ensure proper operation and maintenance of post stormwater facilities.*

2. Have you established written procedures for site plan reviews that you will conduct prior to the start of construction activity? ☐ Yes ☒ No
3. Answer **yes** or **no** to indicate whether you have the following listed procedures for documentation of post-construction stormwater management according to the specifications of Permit (Part III.D.5.c.):
- a. Any supporting documentation that you use to determine compliance with the Permit (Part III.D.5.a), including the project name, location, owner and operator of the construction activity, any checklists used for conducting site plan reviews, and any calculations used to determine compliance? ☐ Yes ☒ No
- b. All supporting documentation associated with mitigation projects that you authorize? ☐ Yes ☒ No
- c. Payments received and used in accordance with Permit (Part III.D.5.a.(4)(f))? ☐ Yes ☒ No
- d. All legal mechanisms drafted in accordance with the Permit (Part III.D.5.a.(5)), including date(s) of the agreement(s) and names of all responsible parties involved? ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the steps that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

*E.2 The City uses a checklist for site plan reviews but does not have any established written procedures. The City will develop written procedures for site plan reviews as described in the Permit (Part III.D.5.b). Procedures will be in places within 12 months of the date permit coverage is extended.*

*E.3 The City will review or create written procedures for documentation of post-construction stormwater management as described in the Permit (Part III.D.5.c). Procedures will be in places within 12 months of the date permit coverage is extended.*

4. List the categories of BMPs that address your post-construction stormwater management program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). If you have more than five categories, hit the tab key after the last line to generate a new row.

| Established BMP categories                                                                              | Measurable goals and timeframes                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site Plan Review                                                                                        | Completed plan review process and documentation procedures for sites qualifying as a land disturbance in accordance with the City Ordinance. Annually.                                                                                                                |
| Encourage the use of structural and non-structural BMPs during review of new and redevelopment projects | Implement Stormwater retention/detention ponds as a BMP immediately in areas where it is appropriate.<br>Developers encouraged to install stormwater facilities meeting the infiltration requirements.<br>Incorporate implementing sand and organic filters into plan |

|                                                             |                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             | review process.<br>Annually per development review.                                                                                                                                                                                               |
| Stormwater retention/detention                              | Implement stormwater retention/detention ponds as a BMP immediately in areas where it is appropriate. Annually per development review.                                                                                                            |
| Stabilization Seeding                                       | Document violations of seeding provisions and types of enforcement actions. Per incident.                                                                                                                                                         |
| Outlet Structure stabilization                              | Document number of structures stabilized. Annually.                                                                                                                                                                                               |
| Land Development Ordinance                                  | Complete ordinance including illicit discharges, erosion and sediment control at construction sites, and post construction runoff from new development and redevelopment. To be updated within 12 months of the date permit coverage is extended. |
| Inspections to verify proper maintenance of stormwater BMPs | On average complete around 20% of inspections for City maintained BMPs. Annually, 100% within the 5-year permit cycle.                                                                                                                            |

| BMP categories to be implemented                 | Measurable goals and timeframes                                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Update ordinance to meet new permit requirements | Within 12 months of the date permit coverage is extended, revise ordinance to meet permit requirements                                                                                                                       |
| Develop written procedures for site plan review  | Within 12 months of the date permit coverage is extended, develop site plan review procedures that must be completed prior to the start of construction activity                                                             |
| Document Pertinent Project Information           | Maintain all related documents pertaining to each new or redeployment project in more user-friendly filing system for better records management. Implement <i>within 12 months of the date permit coverage is extended</i> . |
| BMP Construction Guidance                        | Develop BMP construction guidance document for developers and contractors within 12 months of the date permit coverage is extended                                                                                           |
| Storm Water Pollution Prevention Plan            | Complete review and updates to SWPPP for IGH within 12 months of the date permit coverage is extended                                                                                                                        |

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*Director of Public Works, City Engineer or Engineering Staff*

#### F. MCM 6: Pollution prevention/good housekeeping for municipal operations

1. The Permit (Part III.D.6.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement an operations and maintenance program that prevents or reduces the discharge of pollutants from the permittee owned/operated facilities and operations to the small MS4. Describe your current program:

*The City currently inspects its structural pollution control devices on a regular basis and inspects all of its outfalls, sediment basins, and ponds every 5 years. The City inspects stockpiles, storage, and material handling areas at the maintenance yard for potential discharges and maintenance BMPs. The city is evaluating the use of road salt for winter road maintenance activities to reduce chlorides entering our water resources. The City sweeps streets once in the fall after leaf drop and once in the spring. Maintenance staff is trained annually on various topics related to pollution prevention during maintenance activities..*

2. Do you have a facilities inventory as outlined in the Permit (Part III.D.6.a.)? ☐ Yes ☒ No
3. If you answered **no** to the above permit requirement in question 2, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

*Facilities inventory will be created in the next 12 months and added as an appendix to the City's SWPPP document.*

4. List the categories of BMPs that address your pollution prevention/good housekeeping for municipal operations program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.



Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. For an explanation of measurable goals, refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

| Established BMP categories                                        | Measurable goals and timeframes                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Park and Open Space Training Program                              | Training focused on fertilizer application, pesticide/herbicide application, and mowing discharge. Annually.                                                                                                                                                                                      |
| Fleet and Building Maintenance Training Program                   | Training focused on automotive maintenance program (automotive inspections and washing), spill cleanup training, hazardous materials training, building leak prevention and inspection training. Annually.                                                                                        |
| Stormwater Systems Maintenance Training Program                   | Training focused on parking lot and street cleaning, storm drain systems cleaning, road salt materials management. Annually.                                                                                                                                                                      |
| Parking Lots & Street Cleaning                                    | Train Employees and document number of times each street is swept annually. Goal is sweep 2 times per year. Training to occur Annually.                                                                                                                                                           |
| Storm Drain Cleaning System                                       | Document Number of Sumps cleaned per year.                                                                                                                                                                                                                                                        |
| Road Salt Materials Management Program                            | Document amount of salt applied each year and train employees in road salt management and application methods. Goal is 3 employees trained annually.                                                                                                                                              |
| Storm Sewer Inspection Program                                    | Average Annual inspection of 20% of completed City-Owned BMPs<br>Annual inspection of 100% of pollution control devices.                                                                                                                                                                          |
| Evaluate Inspection Frequency                                     | Evaluate inspection records and determine if inspection frequency needs to increase or decrease.                                                                                                                                                                                                  |
| BMP categories to be implemented                                  | Measurable goals and timeframes                                                                                                                                                                                                                                                                   |
| Develop Spill Prevention & Control Plans for Municipal Facilities | Develop plans describing spill prevention and control procedures by the end of the Year 1. Conduct annual spill prevention and response training sessions to all municipal employees. Distribute education materials, i.e. posters and pamphlets to each municipal facility by the end of year 2. |
| Increase Inspection Frequency of Maintenance Yard                 | Once weekly and after all rain events utilizing a checklist for the inspection that documents findings and allows staff to compare to previous inspections. Frequency of inspection will be evaluated after year 1.                                                                               |
| Facility Inventory                                                | Continue lot develop facilities inventory to include potential pollutants. Create a map of all identified facilities Within 12 months of the date permit coverage is extended                                                                                                                     |
| Pond Assessment Procedures & Schedule                             | In year 1, develop procedures for determining TSS and TP treatment effectiveness of City owned ponds used for treatment of stormwater. Implement schedule in year 2-5.                                                                                                                            |

5. Does discharge from your MS4 affect a Source Water Protection Area (Permit Part III.D.6.c.)? ☐ Yes ☒ No

a. If **no**, continue to 6.

b. If **yes**, the Minnesota Department of Health (MDH) is in the process of mapping the following items. Maps are available at <http://www.health.state.mn.us/divs/eh/water/swp/maps/index.htm>. Is a map including the following items available for your MS4:

- 1) Wells and source waters for drinking water supply management areas identified as vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330? ☐ Yes ☐ No
- 2) Source water protection areas for surface intakes identified in the source water assessments conducted by or for the Minnesota Department of Health under the federal Safe Drinking Water Act, U.S.C. §§ 300j – 13? ☐ Yes ☐ No

- c. Have you developed and implemented BMPs to protect any of the above drinking water sources? ☐ Yes ☐ No
6. Have you developed procedures and a schedule for the purpose of determining the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for the collection and treatment of stormwater, according to the Permit (Part III.D.6.d.)? ☐ Yes ☒ No
7. Do you have inspection procedures that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds and outfalls, and stockpile, storage and material handling areas? ☐ Yes ☒ No
8. Have you developed and implemented a stormwater management training program commensurate with each employee's job duties that:
- Addresses the importance of protecting water quality? ☐ Yes ☒ No
  - Covers the requirements of the permit relevant to the duties of the employee? ☐ Yes ☒ No
  - Includes a schedule that establishes initial training for new and/or seasonal employees and recurring training intervals for existing employees to address changes in procedures, practices, techniques, or requirements? ☐ Yes ☒ No
9. Do you keep documentation of inspections, maintenance, and training as required by the Permit (Part III.D.6.h.(1)-(5))? ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements listed in **Questions 5 – 9**, then describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

*F.6. The City will evaluate and develop a procedure for assessing ponds to determine TSS and TP effectiveness as described in the Permit (Part III.D.6.d) This study will develop procedures for determining TSS and TP treatment effectiveness of City-owned ponds used for treatment of stormwater. A schedule will be implemented in years 2 through 5.*

*F.7. The City will evaluate and develop written procedures for inspection of structural stormwater BMP's, ponds, outfalls, stockpiles, and storage & material handling areas as described in the Permit (Part III.D.6.f). Procedures will be in place within 12 months of the date permit coverage is extended.*

*F.8. The City will evaluate, develop and implement a stormwater management training program commensurate with each employee's job duties as described in the Permit (Part III.D.6.g). Procedures will be in place within 12 months of the date permit coverage is extended.*

*F.9. The City will evaluate and develop written procedures to document inspections, maintenance, and training as described in the Permit (Part III.D.6.h). Procedures will be in place within 12 months of the date permit coverage is extended.*

*F.10 The City is conducting a wellhead protection study. The City will address any MS4 permit issues related to wellhead protection areas within 12 months of the completion of the study.*

10. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

*City Engineer*

## VI. Compliance Schedule for an Approved Total Maximum Daily Load (TMDL) with an Applicable Waste Load Allocation (WLA) (Part II.D.6.)

- A. Do you have an approved TMDL with a Waste Load Allocation (WLA) prior to the effective date of the Permit? ☐ Yes ☒ No
- If **no**, continue to section VII.
  - If **yes**, fill out and attach the MS4 Permit TMDL Attachment Spreadsheet with the following naming convention: *MS4NameHere\_TMDL*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

## VII. Alum or Ferric Chloride Phosphorus Treatment Systems (Part II.D.7.)

- A. Do you own and/or operate any Alum or Ferric Chloride Phosphorus Treatment Systems which are regulated by this Permit (Part III.F.)? ☐ Yes ☒ No



1. If **no**, this section requires no further information.
2. If **yes**, you own and/or operate an Alum or Ferric Chloride Phosphorus Treatment System within your small MS4, then you must submit the Alum or Ferric Chloride Phosphorus Treatment Systems Form supplement to this document, with the following naming convention: *MS4NameHere\_TreatmentSystem*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

## **VIII. Add any Additional Comments to Describe Your Program**

*Attached is draft BMP Table for the City of IGH. The City will update the BMP table of storm water facilities within 12 months of the date permit coverage is extended.*

## TMDL Wasteload Allocation Excel Spreadsheet PART II.D.6.a.-e.

Copy and paste from the Master List MS4 TMDL Spreadsheet for your MS4 to the space below.

Attach this completed form with your SWPPP Document at the time of submittal. At a **minimum**, provide all of the information "" items (TMDL Project Name, Type of WLA, Numeric WLA, Unit, Flow Condition, and Pollutant of Concern).

| Permittee name           | Preferred ID | TMDL project name*                                         | Waterbody ID | Type of WLA* | Numeric WLA* | Unit*                            | Percent reduction | Flow condition* | Waterbody name                                                             | Pollutant of concern* | Date approved |
|--------------------------|--------------|------------------------------------------------------------|--------------|--------------|--------------|----------------------------------|-------------------|-----------------|----------------------------------------------------------------------------|-----------------------|---------------|
| Inver Grove Heights City | MS400096     | Fish Lake Nutrient TMDL                                    | 19-0057-00   | Individual   | 0.003        | lbs/day                          |                   | N/A             | Fish Lake                                                                  | Phosphorus            | 9/9/2010      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-507 | Categorical  | 5.99         | 10 <sup>12</sup> organisms/month |                   | High            | Vermillion River; Below trout stream portion to South Br. Vermillion River | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-507 | Categorical  | 1.57         | 10 <sup>12</sup> organisms/month |                   | Moist           | Vermillion River; Below trout stream portion to South Br. Vermillion River | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-507 | Categorical  | 0.36         | 10 <sup>12</sup> organisms/month |                   | Mid-Range       | Vermillion River; Below trout stream portion to South Br. Vermillion River | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-507 | Categorical  | **           | 10 <sup>12</sup> organisms/month |                   | Dry             | Vermillion River; Below trout stream portion to South Br. Vermillion River | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-507 | Categorical  | **           | 10 <sup>12</sup> organisms/month |                   | Low             | Vermillion River; Below trout stream portion to South Br. Vermillion River | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-506 | Categorical  | 8.62         | 10 <sup>12</sup> organisms/month |                   | High            | Vermillion River; South Br. Vermillion River to the Hastings Dam           | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-506 | Categorical  | 3.09         | 10 <sup>12</sup> organisms/month |                   | Moist           | Vermillion River; South Br. Vermillion River to the Hastings Dam           | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-506 | Categorical  | 1.57         | 10 <sup>12</sup> organisms/month |                   | Mid-Range       | Vermillion River; South Br. Vermillion River to the Hastings Dam           | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-506 | Categorical  | 0.30         | 10 <sup>12</sup> organisms/month |                   | Dry             | Vermillion River; South Br. Vermillion River to the Hastings Dam           | Fecal Coliform        | 4/5/2006      |
| Inver Grove Heights City | MS400096     | Lower Mississippi River Basin Fecal Coliform Bacteria TMDL | 07040001-506 | Categorical  | **           | 10 <sup>12</sup> organisms/month |                   | Low             | Vermillion River; South Br. Vermillion River to the Hastings Dam           | Fecal Coliform        | 4/5/2006      |

# Compliance Schedule PART II.D.6.f.-g.

Is your MS4 currently meeting its WLA for any approved TMDLs?

- ☐ NO (Complete Table 1, Strategies for continued BMP implementation beyond the term of this permit, and Table 2 below)
- ☒ YES (Provide the following information below)

Go to:

[Table 1](#)

Go to:

[Strategies...](#)

Go to:

[Table 2](#)

If YES, indicate the WLAs (may be grouped by TMDL Project) you believe are reasonably being met. For each WLA, list the implemented BMPs and provide a narrative strategy for the long-term continuation of meeting each WLA. PART II.D.6.g.(1)-(2)

**Fish Lake Nutrient TMDL:**

The City of IGH is meeting the wasteload allocation. The City of IGH, MS400096, is not contributing to the impairment of Fish Lake due to our land locked basins and restricted flow of 1 cfs to the Fish Lake drainage basin.

**Lower Mississippi River Basin Fecal Coliform Bacteria TMDL:**

The City of IGH is meeting the wasteload allocation. The City of IGH, MS400096, is not contributing to the impairment of the Lower Mississippi River Basin Fecal Coliform Bacteria TMDL related to the Vermillion River drainage basin due to IGH's land locked basins and restricted flows to Rosemount that do not reach the Vermillion River several miles south of IGH.

## Illicit Discharge Incident Report Form

**Incident ID:**
**Responder Information**    Call taken by:

Call date/time:

**Reporter Information**    Incident date

Incident time:

 Caller contact information (*optional*):

**Incident Location**

Latitude and Longitude:

Closest street address:

Pond or outfall ID# (if applicable):

**Primary Location Description** (*check all that apply*)

☐ Natural Surface Water    ☐ Outfall    ☐ In-pipe flow    ☐ Upland (dumping)

☐ Pond    ☐ Curb & Gutter    ☐ Other:

Description of location:

**Field Indicator Description**    Initial investigation date:    ☐ No investigation made

Investigators:    Department/Agency: ity of Inver Grove heights

|      |                                                             |                                                                 |                                      |                                          |
|------|-------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------|------------------------------------------|
| Odor | <input type="checkbox"/> None                               | <input type="checkbox"/> Sewage                                 | <input type="checkbox"/> Rancid/Sour | <input type="checkbox"/> Petroleum (gas) |
|      | <input type="checkbox"/> Sulfide (rotten eggs); natural gas | <input type="checkbox"/> Other: Describe in "Narrative" section |                                      |                                          |

|            |                                                                 |                                    |                                 |                               |
|------------|-----------------------------------------------------------------|------------------------------------|---------------------------------|-------------------------------|
| Appearance | <input type="checkbox"/> "Normal"                               | <input type="checkbox"/> Oil sheen | <input type="checkbox"/> Cloudy | <input type="checkbox"/> Suds |
|            | <input type="checkbox"/> Other: Describe in "Narrative" section |                                    |                                 |                               |

|            |                                          |                                                     |                                |                                                         |
|------------|------------------------------------------|-----------------------------------------------------|--------------------------------|---------------------------------------------------------|
| Floatables | <input type="checkbox"/> None:           | <input type="checkbox"/> Sewage (toilet paper, etc) | <input type="checkbox"/> Algae | <input type="checkbox"/> Dead fish, Macro-invertebrates |
|            | <input type="checkbox"/> Other: Sediment |                                                     |                                |                                                         |

Description of problem indicators:

**Probable Point-Source Description**    ☐ Investigated: Requires action    ☐ Investigated: No action necessary

|                                                |                                                                        |                                                      |                                                               |
|------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------|
| <input type="checkbox"/> Dumping (solid waste) | <input type="checkbox"/> Dumping (liquid waste-Oil/solvents/chemicals) | <input type="checkbox"/> Spill Response (Fire Dept.) | <input type="checkbox"/> Clandestine Chemistry (Police Dept.) |
|------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------|

☐ Inflow & Infiltration    ☐ Other:

Description of point-source:

Suspected Violator (name, personal or vehicle description, license plate #, etc.):



Minnesota Pollution  
Control Agency

520 Lafayette Road North  
St. Paul, MN 55155-4194

# MS4 Structural BMP Inventory Form

## Municipal Separate Storm Sewer System (MS4) Program

| ENTRY | DATE OF ENTRY | MS4_NAME            | BMP_ID | BMP_CATEGORY | BMP_TYPE              | TMDL | LAT-(dd)  | LONG-(dd)  |
|-------|---------------|---------------------|--------|--------------|-----------------------|------|-----------|------------|
| 1     | 2013-12-10    | Inver Grove Heights | BRF22  | Bioretention | Infiltration/Recharge | TSS  | 44.838057 | -93.034427 |
| 2     | 2013-12-10    | Inver Grove Heights | BRF20  | Bioretention | Infiltration/Recharge | TSS  | 44.840836 | -93.034959 |
| 3     | 2013-12-10    | Inver Grove Heights | BRF21  | Bioretention | Infiltration/Recharge | TSS  | 44.840922 | -93.034686 |
| 4     | 2013-12-10    | Inver Grove Heights | BRF38  | Bioretention | Infiltration/Recharge | TSS  | 44.840835 | -93.031814 |
| 5     | 2013-12-10    | Inver Grove Heights | BRF37  | Bioretention | Infiltration/Recharge | TSS  | 44.840636 | -93.029711 |
| 6     | 2013-12-10    | Inver Grove Heights | BRF36  | Bioretention | Infiltration/Recharge | TSS  | 44.839902 | -93.029745 |
| 7     | 2013-12-10    | Inver Grove Heights | BRF35  | Bioretention | Infiltration/Recharge | TSS  | 44.840855 | -93.028314 |
| 8     | 2013-12-10    | Inver Grove Heights | BRF34  | Bioretention | Infiltration/Recharge | TSS  | 44.840853 | -93.027515 |
| 9     | 2013-12-10    | Inver Grove Heights | BRF8   | Bioretention | Infiltration/Recharge | TSS  | 44.841343 | -93.027806 |
| 10    | 2013-12-10    | Inver Grove Heights | BRF33  | Bioretention | Infiltration/Recharge | TSS  | 44.839766 | -93.024325 |
| 11    | 2013-12-10    | Inver Grove Heights | BRF32  | Bioretention | Infiltration/Recharge | TSS  | 44.837255 | -93.027473 |
| 12    | 2013-12-10    | Inver Grove Heights | BRF25  | Bioretention | Infiltration/Recharge | TSS  | 44.838062 | -93.030725 |
| 13    | 2013-12-10    | Inver Grove Heights | BRF24  | Bioretention | Infiltration/Recharge | TSS  | 44.838050 | -93.031393 |
| 14    | 2013-12-10    | Inver Grove Heights | BRF23  | Bioretention | Infiltration/Recharge | TSS  | 44.838058 | -93.031747 |
| 15    | 2013-12-10    | Inver Grove Heights | BRF26  | Bioretention | Infiltration/Recharge | TSS  | 44.837114 | -93.034269 |
| 16    | 2013-12-10    | Inver Grove Heights | BRF29  | Bioretention | Infiltration/Recharge | TSS  | 44.837118 | -93.033116 |
| 17    | 2013-12-10    | Inver Grove Heights | BRF27  | Bioretention | Infiltration/Recharge | TSS  | 44.837260 | -93.032195 |
| 18    | 2013-12-10    | Inver Grove Heights | BRF39  | Bioretention | Infiltration/Recharge | TSS  | 44.837119 | -93.030527 |
| 19    | 2013-12-10    | Inver Grove Heights | BRF30  | Bioretention | Infiltration/Recharge | TSS  | 44.836314 | -93.040643 |
| 20    | 2013-12-10    | Inver Grove Heights | BRF9   | Bioretention | Infiltration/Recharge | TSS  | 44.828540 | -93.030671 |
| 21    | 2013-12-10    | Inver Grove Heights | BRF16  | Bioretention | Infiltration/Recharge | TSS  | 44.850511 | -93.042832 |
| 22    | 2013-12-10    | Inver Grove Heights | BRF17  | Bioretention | Infiltration/Recharge | TSS  | 44.848921 | -93.041724 |
| 23    | 2013-12-10    | Inver Grove Heights | BRF1   | Bioretention | Infiltration/Recharge | TSS  | 44.849895 | -93.037909 |
| 24    | 2013-12-10    | Inver Grove Heights | BRF14  | Bioretention | Infiltration/Recharge | TSS  | 44.851166 | -93.038029 |
| 25    | 2013-12-10    | Inver Grove Heights | BRF15  | Bioretention | Infiltration/Recharge | TSS  | 44.851281 | -93.037939 |
| 26    | 2013-12-10    | Inver Grove Heights | BRF13  | Bioretention | Infiltration/Recharge | TSS  | 44.851272 | -93.036182 |
| 27    | 2013-12-10    | Inver Grove Heights | BRF12  | Bioretention | Infiltration/Recharge | TSS  | 44.851162 | -93.036219 |

|    |                                      |              |                               |           |            |
|----|--------------------------------------|--------------|-------------------------------|-----------|------------|
| 28 | 2013-12-10 Inver Grove Heights BRF11 | Bioretention | Infiltration/Recharge TSS     | 44.851276 | -93.035562 |
| 29 | 2013-12-10 Inver Grove Heights BRF10 | Bioretention | Infiltration/Recharge TSS     | 44.851152 | -93.034373 |
| 30 | 2013-12-10 Inver Grove Heights BRF7  | Bioretention | Infiltration/Recharge TSS     | 44.851149 | -93.033376 |
| 31 | 2013-12-10 Inver Grove Heights BRF18 | Bioretention | Infiltration/Recharge TSS     | 44.849934 | -93.034768 |
| 32 | 2013-12-10 Inver Grove Heights BRF5  | Bioretention | Infiltration/Recharge TSS     | 44.849761 | -93.034956 |
| 33 | 2013-12-10 Inver Grove Heights BRF4  | Bioretention | Infiltration/Recharge TSS     | 44.849763 | -93.035813 |
| 34 | 2013-12-10 Inver Grove Heights BRF2  | Bioretention | Infiltration/Recharge TSS     | 44.849760 | -93.036677 |
| 35 | 2013-12-10 Inver Grove Heights BRF3  | Bioretention | Infiltration/Recharge TSS     | 44.849881 | -93.036691 |
| 36 | 2013-12-10 Inver Grove Heights BRF19 | Bioretention | Infiltration/Recharge TSS     | 44.850216 | -93.034775 |
| 37 | 2013-12-10 Inver Grove Heights BRF40 | Bioretention | Infiltration/Recharge TSS     | 44.860339 | -93.048353 |
| 38 | 2013-12-10 Inver Grove Heights BRF31 | Bioretention | Infiltration/Recharge TSS     | 44.849025 | -93.056963 |
| 39 | 2013-12-10 Inver Grove Heights BRF41 | Bioretention | Infiltration/Recharge TSS     | 44.849754 | -93.035272 |
| 40 | 2013-12-10 Inver Grove Heights BRF42 | Bioretention | Infiltration/Recharge TSS     | 44.823413 | -93.026095 |
| 41 | 2013-12-10 Inver Grove Heights BRF43 | Bioretention | Infiltration/Recharge TSS     | 44.824361 | -93.026047 |
| 42 | 2013-12-10 Inver Grove Heights BRF44 | Bioretention | Infiltration/Recharge TSS     | 44.830906 | -93.073267 |
| 43 | 2013-12-10 Inver Grove Heights BRF45 | Bioretention | Infiltration/Recharge TSS     | 44.829967 | -93.070753 |
| 44 | 2013-12-10 Inver Grove Heights BRF46 | Bioretention | Infiltration/Recharge TSS     | 44.838088 | -93.090862 |
| 45 | 2013-12-10 Inver Grove Heights BRF47 | Bioretention | Infiltration/Recharge TSS     | 44.837933 | -93.089749 |
| 46 | 2013-12-10 Inver Grove Heights BRF48 | Bioretention | Infiltration/Recharge TSS     | 44.838850 | -93.089996 |
| 47 | 2013-12-10 Inver Grove Heights BRF49 | Bioretention | Infiltration/Recharge TSS     | 44.838811 | -93.089454 |
| 48 | 2013-12-10 Inver Grove Heights BRF50 | Bioretention | Infiltration/Recharge TSS     | 44.838794 | -93.089289 |
| 49 | 2013-12-10 Inver Grove Heights BRF51 | Bioretention | Infiltration/Recharge TSS     | 44.838053 | -93.087631 |
| 50 | 2013-12-10 Inver Grove Heights BRF52 | Bioretention | Filtration TSS                | 44.838853 | -93.088266 |
| 51 | 2013-12-10 Inver Grove Heights BRF53 | Bioretention | Infiltration/Filtration/I TSS | 44.839369 | -93.088620 |
| 52 | 2013-12-10 Inver Grove Heights BRF54 | Bioretention | Infiltration/Filtration/I TSS | 44.839462 | -93.085769 |
| 53 | 2013-12-10 Inver Grove Heights BRF55 | Bioretention | Filtration TSS                | 44.839668 | -93.086471 |
| 54 | 2013-12-10 Inver Grove Heights BRF56 | Bioretention | Filtration TSS                | 44.840283 | -93.087576 |
| 55 | 2013-12-10 Inver Grove Heights BRF57 | Bioretention | Infiltration/Filtration/I TSS | 44.840397 | -93.087870 |
| 56 | 2013-12-10 Inver Grove Heights BRF58 | Bioretention | Infiltration/Filtration/I TSS | 44.840504 | -93.086922 |
| 57 | 2013-12-10 Inver Grove Heights BRF59 | Bioretention | Infiltration/Filtration/I TSS | 44.840490 | -93.085707 |
| 58 | 2013-12-10 Inver Grove Heights BRF60 | Bioretention | Infiltration/Filtration/I TSS | 44.840742 | -93.087585 |
| 59 | 2013-12-10 Inver Grove Heights BRF61 | Bioretention | Infiltration/Filtration/I TSS | 44.840680 | -93.087213 |
| 60 | 2013-12-10 Inver Grove Heights BRF62 | Bioretention | Infiltration/Filtration/I TSS | 44.841065 | -93.085936 |
| 61 | 2013-12-10 Inver Grove Heights BRF63 | Bioretention | Infiltration/Filtration/I TSS | 44.840792 | -93.085600 |

|    |                                      |              |                               |           |            |
|----|--------------------------------------|--------------|-------------------------------|-----------|------------|
| 62 | 2013-12-10 Inver Grove Heights BRF64 | Bioretention | Infiltration/Filtration/I TSS | 44.841547 | -93.087171 |
| 63 | 2013-12-10 Inver Grove Heights BRF65 | Bioretention | Infiltration/Filtration/I TSS | 44.841547 | -93.086959 |
| 64 | 2013-12-10 Inver Grove Heights BRF66 | Bioretention | Filtration TSS                | 44.853210 | -93.014619 |
| 65 | 2013-12-10 Inver Grove Heights BRF67 | Bioretention | Infiltration/Recharge TSS     | 44.849013 | -93.056951 |
| 66 | 2013-12-10 Inver Grove Heights BRF68 | Bioretention | Infiltration/Filtration/I TSS | 44.823421 | -93.026116 |
| 67 | 2013-12-10 Inver Grove Heights BRF69 | Bioretention | Infiltration TSS              | 44.824356 | -93.026034 |
| 68 | 2013-12-10 Inver Grove Heights BRF70 | Bioretention | Infiltration TSS              | 44.837087 | -93.088000 |
| 69 | 2013-12-10 Inver Grove Heights BRF71 | Bioretention | Infiltration TSS              | 44.836915 | -93.088018 |
| 70 | 2013-12-10 Inver Grove Heights BRF72 | Bioretention | Infiltration TSS              | 44.836215 | -93.088018 |
| 71 | 2013-12-10 Inver Grove Heights BRF73 | Bioretention | Infiltration TSS              | 44.836037 | -93.088026 |
| 72 | 2013-12-10 Inver Grove Heights BRF74 | Bioretention | Infiltration TSS              | 44.835682 | -93.087995 |
| 73 | 2013-12-10 Inver Grove Heights BRF75 | Bioretention | Infiltration TSS              | 44.835514 | -93.087988 |
| 74 | 2013-12-10 Inver Grove Heights BRF76 | Bioretention | Infiltration TSS              | 44.836770 | -93.089720 |
| 75 | 2013-12-10 Inver Grove Heights BRF77 | Bioretention | Infiltration TSS              | 44.836374 | -93.089711 |
| 76 | 2013-12-10 Inver Grove Heights BRF78 | Bioretention | Infiltration TSS              | 44.835542 | -93.089711 |
| 77 | 2013-12-10 Inver Grove Heights BRF79 | Bioretention | Infiltration TSS              | 44.836409 | -93.091248 |
| 78 | 2013-12-10 Inver Grove Heights BRF80 | Bioretention | Infiltration TSS              | 44.835206 | -93.088065 |
| 79 | 2013-12-10 Inver Grove Heights BRF81 | Bioretention | Infiltration TSS              | 44.835419 | -93.090456 |
| 80 | 2013-12-10 Inver Grove Heights BRF82 | Bioretention | Filtration TSS                | 44.835797 | -93.090810 |
| 81 | 2013-12-10 Inver Grove Heights BRF83 | Bioretention | Infiltration TSS              | 44.837414 | -93.091382 |
| 82 | 2013-12-10 Inver Grove Heights BRF84 | Bioretention | Infiltration TSS              | 44.836278 | -93.091479 |
| 83 | 2013-12-10 Inver Grove Heights BRF85 | Bioretention | Infiltration TSS              | 44.835822 | -93.091331 |
| 84 | 2013-12-10 Inver Grove Heights BRF86 | Bioretention | Infiltration TSS              | 44.836834 | -93.095212 |
| 85 | 2013-12-10 Inver Grove Heights BRF87 | Bioretention | Infiltration TSS              | 44.835998 | -93.091859 |
| 86 | 2013-12-10 Inver Grove Heights BRF88 | Bioretention | Infiltration TSS              | 44.836986 | -93.090461 |
| 87 | 2013-12-10 Inver Grove Heights BRF89 | Bioretention | Infiltration TSS              | 44.836553 | -93.090459 |
| 88 | 2013-12-10 Inver Grove Heights BRF90 | Bioretention | Infiltration TSS              | 44.835979 | -93.090438 |
| 89 | 2013-12-10 Inver Grove Heights BRF91 | Bioretention | Infiltration TSS              | 44.835369 | -93.086742 |
| 90 | 2013-12-10 Inver Grove Heights BRF92 | Bioretention | Infiltration TSS              | 44.835351 | -93.088889 |
| 91 | 2013-12-10 Inver Grove Heights BRF93 | Bioretention | Infiltration TSS              | 44.837561 | -93.091175 |
| 92 | 2013-12-10 Inver Grove Heights BRF94 | Bioretention | Infiltration TSS              | 44.837277 | -93.087525 |
| 93 | 2013-12-10 Inver Grove Heights BRF95 | Bioretention | Infiltration TSS              | 44.835692 | -93.090079 |
| 94 | 2013-12-10 Inver Grove Heights BRF96 | Bioretention | Filtration TSS                | 44.836911 | -93.090814 |
| 95 | 2013-12-10 Inver Grove Heights BRF97 | Bioretention | Infiltration TSS              | 44.837794 | -93.092134 |

|     |            |                            |              |                           |     |           |            |
|-----|------------|----------------------------|--------------|---------------------------|-----|-----------|------------|
| 96  | 2013-12-10 | Inver Grove Heights BRF98  | Bioretention | Infiltration              | TSS | 44.838352 | -93.093724 |
| 97  | 2013-12-10 | Inver Grove Heights BRF99  | Bioretention | Infiltration              | TSS | 44.836946 | -93.089558 |
| 98  | 2013-12-10 | Inver Grove Heights BRF100 | Bioretention | Infiltration              | TSS | 44.836770 | -93.085075 |
| 99  | 2013-12-10 | Inver Grove Heights BRF101 | Bioretention | Infiltration              | TSS | 44.837990 | -93.084978 |
| 100 | 2013-12-10 | Inver Grove Heights BRF102 | Bioretention | Infiltration              | TSS | 44.838372 | -93.084930 |
| 101 | 2013-12-10 | Inver Grove Heights BRF103 | Bioretention | Infiltration              | TSS | 44.836807 | -93.085665 |
| 102 | 2013-12-10 | Inver Grove Heights BRF104 | Bioretention | Infiltration/Filtration/I | TSS | 44.830665 | -93.060845 |
| 103 | 2013-12-10 | Inver Grove Heights BRF105 | Bioretention | Infiltration/Filtration/I | TSS | 44.830594 | -93.062152 |
| 104 | 2013-12-10 | Inver Grove Heights BRF106 | Bioretention | Infiltration/Filtration/I | TSS | 44.858887 | -93.038093 |
| 105 | 2013-12-10 | Inver Grove Heights BRF107 | Bioretention | Infiltration              | TSS | 44.865065 | -93.065124 |
| 106 | 2013-12-10 | Inver Grove Heights BRF108 | Bioretention | Infiltration              | TSS | 44.865464 | -93.047683 |
| 107 | 2013-12-10 | Inver Grove Heights BRF109 | Bioretention | Filtration                | TSS | 44.854517 | -93.020419 |
| 108 | 2013-12-10 | Inver Grove Heights BRF110 | Bioretention | Filtration                | TSS | 44.854649 | -93.020422 |
| 109 | 2013-12-10 | Inver Grove Heights BRF111 | Bioretention | Filtration                | TSS | 44.855037 | -93.020100 |
| 110 | 2013-12-10 | Inver Grove Heights BRF112 | Bioretention | Infiltration              | TSS | 44.845568 | -93.083556 |
| 111 | 2013-12-10 | Inver Grove Heights BRF113 | Bioretention | Infiltration              | TSS | 44.845578 | -93.083170 |
| 112 | 12/10/2013 | Inver Grove Heights INF1   | Infiltration | Trench                    | TSS | 44.797575 | -93.082462 |
| 113 | 12/10/2013 | Inver Grove Heights INF2   | Infiltration | Underground Syster        | TSS | 44.882346 | -93.082733 |
| 114 | 12/10/2013 | Inver Grove Heights INF3   | Infiltration | Underground Syster        | TSS | 44.831678 | -93.044556 |
| 115 | 12/10/2013 | Inver Grove Heights INF4   | Infiltration | Underground Syster        | TSS | 44.831524 | -93.044272 |
| 116 | 12/10/2013 | Inver Grove Heights INF5   | Infiltration | Underground Syster        | TSS | 44.881165 | -93.086352 |
| 117 | 12/10/2013 | Inver Grove Heights INF6   | Infiltration | Basin                     | TSS | 44.880956 | -93.087047 |
| 118 | 12/10/2013 | Inver Grove Heights INF7   | Infiltration | Underground Syster        | TSS | 44.800100 | -93.038340 |
| 119 | 12/10/2013 | Inver Grove Heights INF8   | Infiltration | Basin                     | TSS | 44.836593 | -93.085927 |
| 120 | 12/10/2013 | Inver Grove Heights INF9   | Infiltration | Basin                     | TSS | 44.836586 | -93.086171 |
| 121 | 12/10/2013 | Inver Grove Heights INF10  | Infiltration | Underground Syster        | TSS | 44.835849 | -93.089288 |
| 122 | 12/10/2013 | Inver Grove Heights INF11  | Infiltration | Underground Syster        | TSS | 44.835677 | -93.089299 |
| 123 | 12/10/2013 | Inver Grove Heights INF12  | Infiltration | Underground Syster        | TSS | 44.835506 | -93.089293 |
| 124 | 12/10/2013 | Inver Grove Heights INF13  | Infiltration | Underground Syster        | TSS | 44.837130 | -93.089569 |
| 125 | 12/10/2013 | Inver Grove Heights INF14  | Infiltration | Underground Syster        | TSS | 44.836915 | -93.089720 |
| 126 | 12/10/2013 | Inver Grove Heights INF15  | Infiltration | Underground Syster        | TSS | 44.837361 | -93.091298 |
| 127 | 12/10/2013 | Inver Grove Heights INF16  | Infiltration | Underground Syster        | TSS | 44.836915 | -93.091296 |
| 128 | 12/10/2013 | Inver Grove Heights INF17  | Infiltration | Underground Syster        | TSS | 44.835910 | -93.091411 |
| 129 | 12/10/2013 | Inver Grove Heights INF18  | Infiltration | Underground Syster        | TSS | 44.837239 | -93.088057 |



|     |            |                     |       |              |                        |           |            |
|-----|------------|---------------------|-------|--------------|------------------------|-----------|------------|
| 130 | 12/10/2013 | Inver Grove Heights | INF19 | Infiltration | Underground Syster TSS | 44.837234 | -93.089304 |
| 131 | 12/10/2013 | Inver Grove Heights | INF20 | Infiltration | Underground Syster TSS | 44.837063 | -93.089298 |
| 132 | 12/10/2013 | Inver Grove Heights | INF21 | Infiltration | Underground Syster TSS | 44.836587 | -93.090999 |
| 133 | 12/10/2013 | Inver Grove Heights | INF22 | Infiltration | Underground Syster TSS | 44.836061 | -93.091001 |
| 134 | 12/10/2013 | Inver Grove Heights | INF23 | Infiltration | Underground Syster TSS | 44.836594 | -93.089582 |
| 135 | 12/10/2013 | Inver Grove Heights | INF24 | Infiltration | Underground Syster TSS | 44.835855 | -93.089577 |
| 136 | 12/10/2013 | Inver Grove Heights | INF25 | Infiltration | Underground Syster TSS | 44.836916 | -93.089302 |
| 137 | 12/10/2013 | Inver Grove Heights | INF26 | Infiltration | Underground Syster TSS | 44.836743 | -93.089299 |
| 138 | 12/10/2013 | Inver Grove Heights | INF27 | Infiltration | Underground Syster TSS | 44.836571 | -93.089296 |
| 139 | 12/10/2013 | Inver Grove Heights | INF28 | Infiltration | Underground Syster TSS | 44.836398 | -93.089297 |
| 140 | 12/10/2013 | Inver Grove Heights | INF29 | Infiltration | Underground Syster TSS | 44.836210 | -93.089294 |
| 141 | 12/10/2013 | Inver Grove Heights | INF30 | Infiltration | Underground Syster TSS | 44.836022 | -93.089298 |
| 142 | 12/10/2013 | Inver Grove Heights | INF31 | Infiltration | Underground Syster TSS | 44.836834 | -93.090454 |
| 143 | 12/10/2013 | Inver Grove Heights | INF32 | Infiltration | Underground Syster TSS | 44.836311 | -93.090452 |
| 144 | 12/10/2013 | Inver Grove Heights | INF33 | Infiltration | Basin TSS              | 44.842541 | -93.085052 |
| 145 | 12/10/2013 | Inver Grove Heights | INF34 | Infiltration | Basin TSS              | 44.840623 | -93.084964 |
| 146 | 12/10/2013 | Inver Grove Heights | INF35 | Infiltration | Basin TSS              | 44.840130 | -93.084946 |
| 147 | 12/10/2013 | Inver Grove Heights | INF36 | Infiltration | Trench TSS             | 44.839855 | -93.085001 |
| 148 | 12/10/2013 | Inver Grove Heights | INF37 | Infiltration | Underground Syster TSS | 44.830422 | -93.062484 |
| 149 | 12/10/2013 | Inver Grove Heights | INF38 | Infiltration | Basin TSS              | 44.833181 | -93.062414 |
| 150 | 12/10/2013 | Inver Grove Heights | INF39 | Infiltration | Basin TSS              | 44.831274 | -93.062114 |
| 151 | 12/10/2013 | Inver Grove Heights | INF40 | Infiltration | Underground Syster TSS | 44.785726 | -93.065415 |
| 152 | 12/10/2013 | Inver Grove Heights | INF41 | Infiltration | Basin TSS              | 44.835240 | -93.083891 |
| 153 | 12/10/2013 | Inver Grove Heights | INF42 | Infiltration | Underground Syster TSS | 44.854826 | -93.020167 |
| 154 | 12/10/2013 | Inver Grove Heights | INF43 | Infiltration | Basin TSS              | 44.795937 | -93.063259 |
| 155 | 12/10/2013 | Inver Grove Heights | INF44 | Infiltration | Underground Syster TSS | 44.814538 | -93.039373 |
| 156 | 12/10/2013 | Inver Grove Heights | INF45 | Infiltration | Basin TSS              | 44.814376 | -93.039451 |
| 157 | 12/10/2013 | Inver Grove Heights | INF46 | Infiltration | Basin TSS              | 44.852534 | -93.022666 |
| 158 | 12/10/2013 | Inver Grove Heights | INF47 | Infiltration | Basin TSS              | 44.852161 | -93.022644 |
| 159 | 12/10/2013 | Inver Grove Heights | INF48 | Infiltration | Basin TSS              | 44.852129 | -93.021873 |
| 160 | 12/10/2013 | Inver Grove Heights | INF49 | Infiltration | Basin TSS              | 44.851729 | -93.021814 |
| 161 | 12/10/2013 | Inver Grove Heights | INF50 | Infiltration | Underground Syster TSS | 44.787656 | -93.033640 |
| 162 | 12/10/2013 | Inver Grove Heights | INF51 | Infiltration | Underground Syster TSS | 44.787127 | -93.033619 |
| 163 | 12/10/2013 | Inver Grove Heights | INF52 | Infiltration | Underground Syster TSS | 44.787376 | -93.033268 |

|     |            |                            |                 |                        |           |            |
|-----|------------|----------------------------|-----------------|------------------------|-----------|------------|
| 164 | 12/10/2013 | Inver Grove Heights INF53  | Infiltration    | Underground Syster TSS | 44.786869 | -93.031464 |
| 165 | 12/10/2013 | Inver Grove Heights INF54  | Infiltration    | Underground Syster TSS | 44.787319 | -93.031388 |
| 166 | 12/10/2013 | Inver Grove Heights SPOND1 | Stormwater Pond | TSS                    | 44.866227 | -93.047618 |
| 167 | 12/10/2013 | Inver Grove Heights SPOND2 | Stormwater Pond | TSS                    | 44.827528 | -93.048896 |
| 168 | 12/10/2013 | Inver Grove Heights SPOND3 | Stormwater Pond | Dry Pond TSS           | 44.852104 | -93.021530 |
| 169 | 12/10/2013 | Inver Grove Heights CB4513 | Supplemental    | Hydrodynamic TSS       | 44.819602 | -93.034536 |
| 170 | 12/11/2013 | Inver Grove Heights MH4879 | Supplemental    | Hydrodynamic TSS       | 44.831464 | -93.043392 |
| 171 | 12/12/2013 | Inver Grove Heights MH4204 | Supplemental    | Hydrodynamic TSS       | 44.819201 | -93.034706 |
| 172 | 12/13/2013 | Inver Grove Heights MH6109 | Supplemental    | Hydrodynamic TSS       | 44.833142 | -93.044358 |
| 173 | 12/14/2013 | Inver Grove Heights MH7286 | Supplemental    | Hydrodynamic TSS       | 44.800216 | -93.038085 |
| 174 | 12/15/2013 | Inver Grove Heights MH5638 | Supplemental    | Hydrodynamic TSS       | 44.878004 | -93.048964 |
| 175 | 12/16/2013 | Inver Grove Heights MH6505 | Supplemental    | Hydrodynamic TSS       | 44.882615 | -93.082862 |
| 176 | 12/17/2013 | Inver Grove Heights MH6506 | Supplemental    | Hydrodynamic TSS       | 44.882615 | -93.082820 |
| 177 | 12/18/2013 | Inver Grove Heights MH6507 | Supplemental    | Hydrodynamic TSS       | 44.881403 | -93.080866 |
| 178 | 12/19/2013 | Inver Grove Heights CB9326 | Supplemental    | Hydrodynamic TSS       | 44.881856 | -93.078521 |
| 179 | 12/20/2013 | Inver Grove Heights MH9329 | Supplemental    | Hydrodynamic TSS       | 44.882623 | -93.082860 |
| 180 | 12/21/2013 | Inver Grove Heights MH9330 | Supplemental    | Hydrodynamic TSS       | 44.877124 | -93.072896 |
| 181 | 12/22/2013 | Inver Grove Heights MH9331 | Supplemental    | Hydrodynamic TSS       | 44.855113 | -93.044760 |
| 182 | 12/23/2013 | Inver Grove Heights MH9339 | Supplemental    | Hydrodynamic TSS       | 44.862635 | -93.023246 |
| 183 | 12/24/2013 | Inver Grove Heights MH9341 | Supplemental    | Hydrodynamic TSS       | 44.830233 | -93.082967 |
| 184 | 12/25/2013 | Inver Grove Heights MH8979 | Supplemental    | Hydrodynamic TSS       | 44.882621 | -93.085393 |
| 185 | 12/26/2013 | Inver Grove Heights MH9385 | Supplemental    | Hydrodynamic TSS       | 44.807069 | -93.040951 |